

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A digital wireless communication apparatus comprising:

a first modulator that modulates a pilot symbol according to a first modulation scheme;

a second modulator that modulates specific symbols according to a second modulation scheme, the second modulation scheme being different than the first modulation scheme;

a third modulator that modulates symbols other than said pilot symbol and said specific symbols according to a third modulation scheme, the third modulation scheme being different than the first and second modulation schemes; and

a timing controller that controls timing such that said specific symbols are inserted immediately before and after said pilot symbol;

wherein the signal points of the specific symbols are allocated on an imaginary line that connects the origin point and a signal point of the pilot symbol on a signal space diagram.

2. (Original) The digital wireless communication apparatus according to claim 1, wherein said third modulation scheme is selected from a 64QAM modulation scheme, a 16QAM modulation scheme, and a QPSK modulation scheme.

3. (Original) The digital wireless communication apparatus according to claim 1, wherein said pilot symbol signal point has an amplitude greater than the maximum

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amplitude of signal points modulated according to the third modulation scheme in the signal space diagram.

4-6. (Canceled)